

Analytical balance KERN ABT series with automatic internal calibration

The premium model with single-cell weighing system

Features

- Automatic internal adjustment with thermal changes $\geq 0.5^\circ\text{C}$ or chronological command every 4 h, guarantees high precision and makes operation independent of the place of installation
- Dosing support: High stability mode and other selectable filter settings
- Convenient for compounding / documenting with combined tare / print function. In addition, the components of the mixture are automatically numbered and printed with the respective number / weight value
- 4-digit, freely programmable identification code, printed in the adjustment protocol
- Automatic output of data to printer / PC with stable weight

Large glass windshield with 3 sliding doors for easy access to the product to be weighed
Rigid protective cover incl. in the supply

Technical data

- Large LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel, \varnothing 80 mm

Scale dimensions, incl. windshield W × D × H 217 × 356 × 338 mm

Weighing chamber W × D × H 168 × 172 × 223 mm

Net weight approx. 7 kg

- Permissible ambient temperature $10^\circ\text{C} / 30^\circ\text{C}$

Leading Single-Cell Technology:

- Automatic production of the loading cell from a single unit
- Stable reaction to temperature changes
- Short stabilization interval: stable weighing values in only about 4 s under laboratory conditions
- High mechanical strength
- High safety in cases of off-center loading

The dual range scales (models ABT 120-5DNM and ABT 220-5DNM) automatically switch to the upper range of capacity [Max] and division [d]



On demand:










DAKKS certificate (code K3963101)

"M" approval certificate (code K3965201)

Note: For use with an approval requirement, please order the approval together with the balance;
it is not possible to carry out a first approval at a later date.

For approval, we require the full address of the place of use.

Accessories on request:

		Code
	<ul style="list-style-type: none"> Minimum weight, smallest weight to be weighed, depending on the desired process accuracy, only in conjunction with the DAkkS calibration certificate 	969-103
	<ul style="list-style-type: none"> Hard protective cover, supplied in 5 pieces 	ABT-A02S05
	<ul style="list-style-type: none"> Ionizer to neutralize the electrostatic charge 	YBI-01A
	<ul style="list-style-type: none"> Paper rolls for KERN 911-013 printer, 57 mm wide (10 units) 	911-013-010
	<ul style="list-style-type: none"> Ink ribbon for printer 	911-013-001
	<ul style="list-style-type: none"> Dot matrix printer for KERN-Balances with RS-232 data interface 	911-013
	<ul style="list-style-type: none"> Thermal printer for KERN-Scales with RS-232 data interface 	YKB-01N
	<ul style="list-style-type: none"> Thermal receipt paper rolls for KERN YKB-01N printer (10 units) 	YKB-A10
	<ul style="list-style-type: none"> Set for determining the density of liquids and solids with density $\leq / \geq 1$ 	YDB-03
	<ul style="list-style-type: none"> Dust protection cover 	ABS-A08



- RS-232 / Bluetooth adapter: Adapter for wireless connection of scales, dynamometers, etc., with RS-232 interface to devices with Bluetooth function, such as Bluetooth printer (eg KERN YKC-01), tablet, laptop, smar

YKI-02



- RS-232 / WLAN adapter: Adapter for wireless connection of scales, dynamometers, etc., with RS-232 interface to WLAN devices, such as tablets, laptops, smartphones, etc.

YKI-03



- Statistics printer for KERN-Scales with RS-232 data interface

YKS-01

Code	Description	Max flow rate g	Division mg	Homolog. Division mg	Minimum load mg	Reproducibi lity mg	Linearity ± mg
K3ABT105	Scale mod. ABT 120-5DNM	101	0,01	1	1	0,05	0,15
K3ABT120	Scale mod. ABT 120-4NM	120	0,1	1	10	0,1	0,2
K3ABT125	Scale mod. ABT 120-5DNM	42-120	0,01-0,1	1-1	1	0,02-0,1	0,05-0,2
K3ABT220	Scale mod. ABT 220-4NM	220	0,1	1	10	0,1	0,2
K3ABT225	Scale mod. ABT 220-5DNM	82-220	0,01-0,1	1-1	1	0,05-0,1	0,1-0,2
K3ABT320	Scale mod. ABT 320-4NM	320	0,1	1	10	0,1	0,3